Model **1216HP -** Safety and Relief valve

DESCRIPTION

Type	Safety and Relief valve
Connections	Threaded BSP/NPT
Rating	PN-100/250/400 - PN-40
Material	Stainless Steel 316L
Temperature range	-10 to +300ºC
Cryogenic service until	-196ºC

REQUIREMENTS

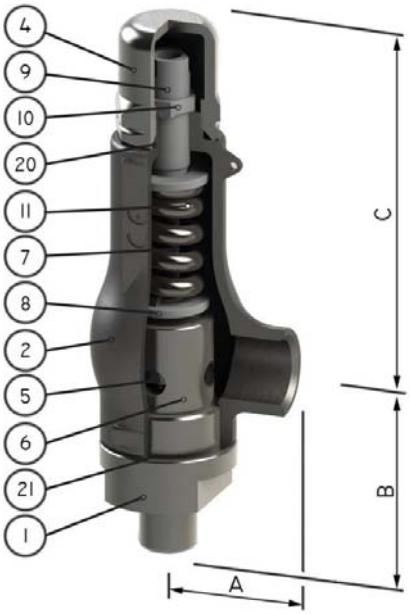
Calculation	EN-4126-1/7
Design	EN-12516-1, EN-4126-1/7
	DIN 259 and ANSI B 2.1
Materials	EN
Inspection	EN-4126-1/7

CONSTRUCTION AND MATERIALS

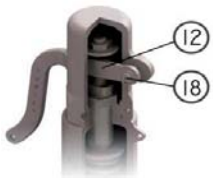
Item	Description	Material	
		Standard	Cryogenic
1	Nozzle	AISI-316	AISI-316
2	Body	A351 CF-3M	A351 CF-3M
4	Cap	A351 CF-8	A351 CF-8
5 R	Disc	17 - 4 PH	17 - 4 PH
6	Guide	A351 CF-3M	A351 CF-3M
7	Spindle/Stem	AISI-316L	AISI-316L
8	Spring Button	AISI-303	AISI-303
9	Adjusting Screw	AISI-303	AISI-303
10	Lock Nut	AISI-303	AISI-303
11 R	Spring	Inconel X750	17 / 7PH
12	Lever	A351 CF-8	A351 CF-8
17	Release nut	AISI-316	AISI-316
18 R	Lever axis	AISI-303	AISI-303
19	Packing lever axis	AISI-303	AISI-303
20 R	Gasket	PTFE	PTFE
21 R	Gasket	PTFE + S.S.	AISI-304
22 R	Gasket	Viton	Metal

R Recommended Spare Parts

Test gag



Sealed packing lever



Lifting device

TECHNICAL INFORMATION

Applications	Steam, Gases, Vapors & Liquids
Min. Set pressure	0,2 Barg
Set pressure tolerance	± 3%
Overpressure	10%
Blowdown	Gases 10%, Liquids 20%
Discharge coefficients	Gases K=0,5
	Liquids K=0,4

DIMENSIONS

Inlet	Outlet	Orifice	Area (mm^2)	A (mm)	B (mm)	C (mm)	Weight (Kg)
PN100	**PN40**						
1”	2”	16	201	62	100	235	5
1 1/4”	2”	18	254	62	100	235	5
1 1/2”	2”	20	314	62	100	235	6
2”	2”	22	380	62	100	235	6,3
PN250	**PN40**						
1/2”	3/4”	9	64	45	72	155	3
3/4”	3/4”	9	64	45	72	155	3
1”	1”	9	64	45	77	155	3
PN400	**PN40**						
1/2”	3/4”	6	28	45	72	155	3
3/4”	3/4”	6	28	45	72	155	3

Disclaimer

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